

Very compact design, aluminium case with sealed ball bearings, protection IP 65  
 Flexible stainless steel cable Ø 0.5 mm  
 Strong spring mechanics  
 Precision cable drum  
 With MINI ENCODER ES 28



## Mini Weggeber WES 428

Linear Motion Transducer for 1000 mm range with Incremental Encoder ES 28 of high protection IP 65

### Used encoder

#### Used encoder

Mini Encoder ES 28

### Type explanation

#### WES 428-10-10/ES28-6-1500-05-D-R

Measuring range	=
Encoder type	Incremental
Case diameter	ø 44 mm
Number of channels	3 = A + B + M 6 = AA + BB + MM
Supply voltage	05 = 5 VDC ± 5% 12 = 12 VDC ± 10% 24 = 24 VDC ± 10%
Output driver	D-RS422 C R
Position of connection	R

## Technical data

### Mechanical data

Acceleration of cable	? 500 ms <sup>-2</sup>
Side movement of cable	? 3°
Weight	? 0,3 kg

### Environmental conditions

Operating temperature	-10 ... +70°C
Storage temperature	-30 ... +80°C
Atmospheric humidity	? 85% r.h.
Protection class	IP 65

### Electrical data

Scanning type	Optical, without contact
Transmitter, infrared	LED
Receiver	Photo-Transistor
Supply voltage	V <sub>cc</sub> = 5 VDC ±5% V <sub>cc</sub> = 12 VDC ±10% V <sub>cc</sub> = 24 VDC ±10%
Power consumption	80 mA typ.
Output frequency	? 150 kHz
Signal level	High > V <sub>cc</sub> - 1 V Low < 0,5 V (20 mA)
Load capacity of the outputs	20 mA
Dielectric strength of outputs	+50 V



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